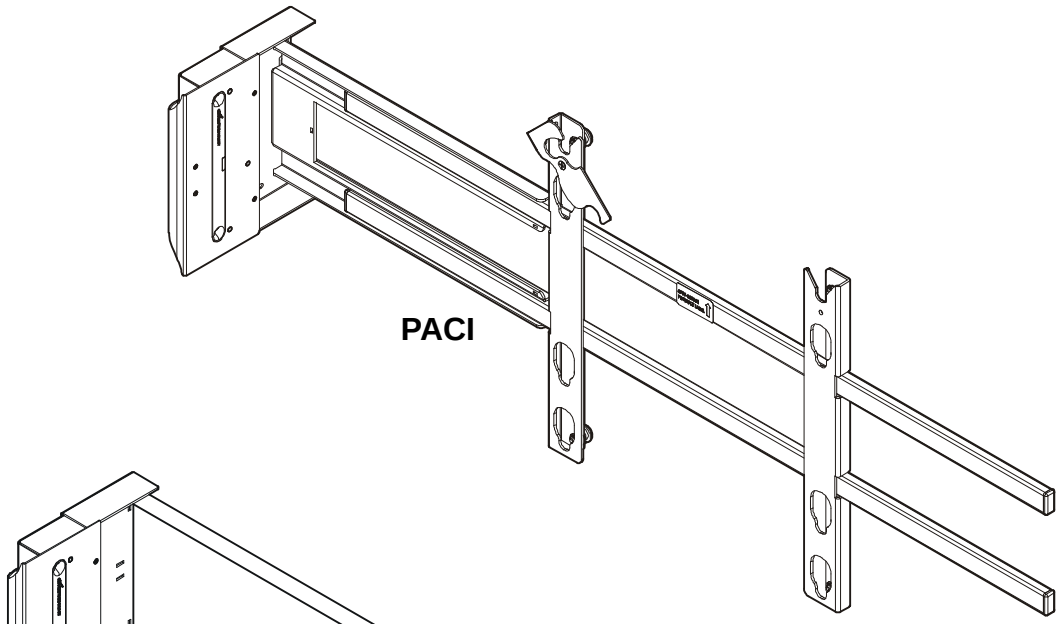
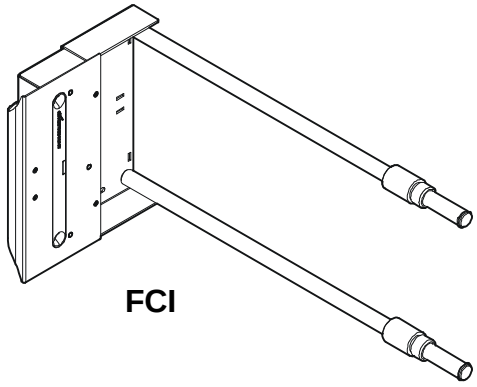
INSTALLATION INSTRUCTIONS





Interactive Flat Panel Upgrade Kits

CHIEF®
Our Mounts. **Your Vision.**

FCI / PACI

DISCLAIMER

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

WARNING: Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

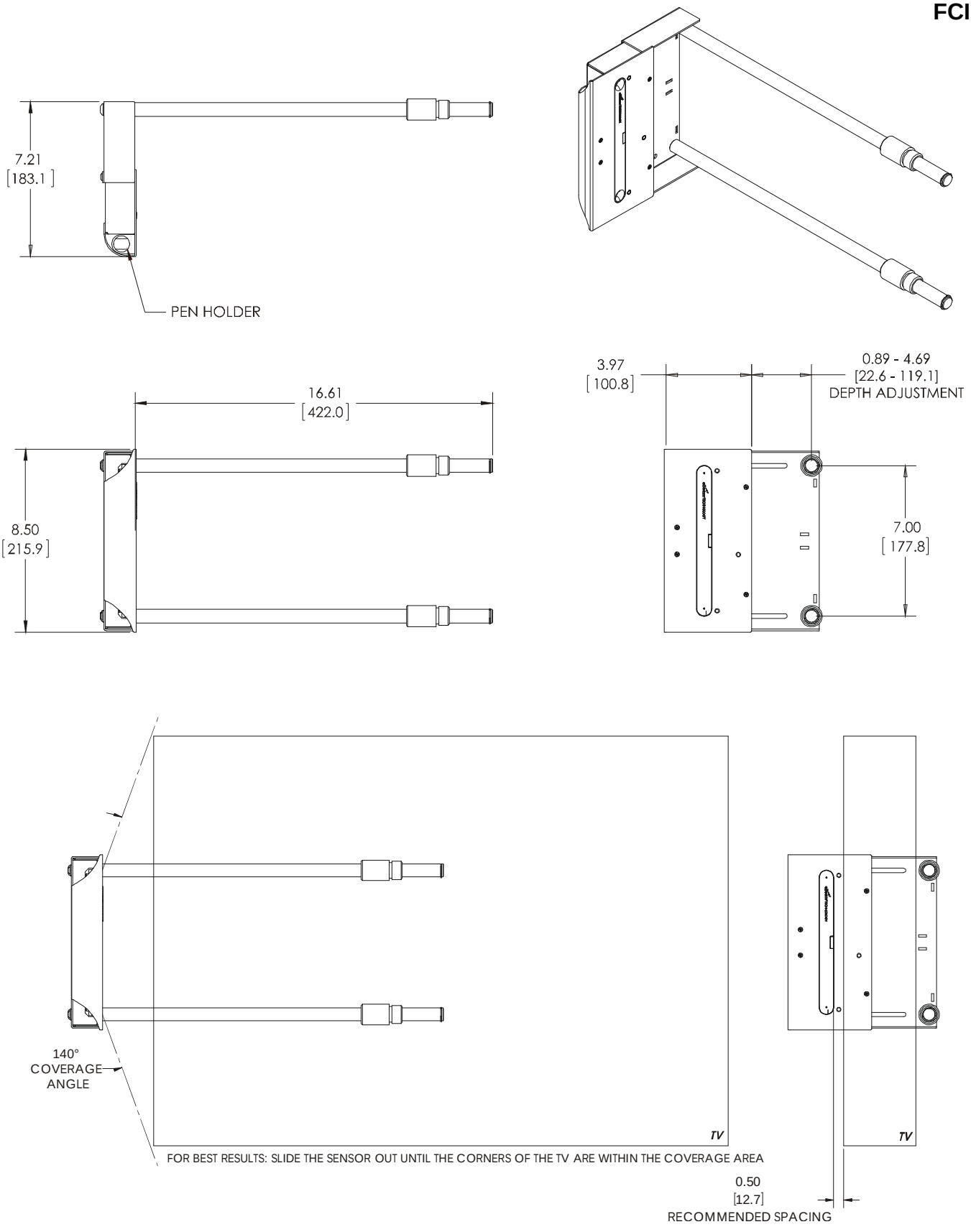
WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

WARNING: Do not use this product outdoors.

--SAVE THESE INSTRUCTIONS--

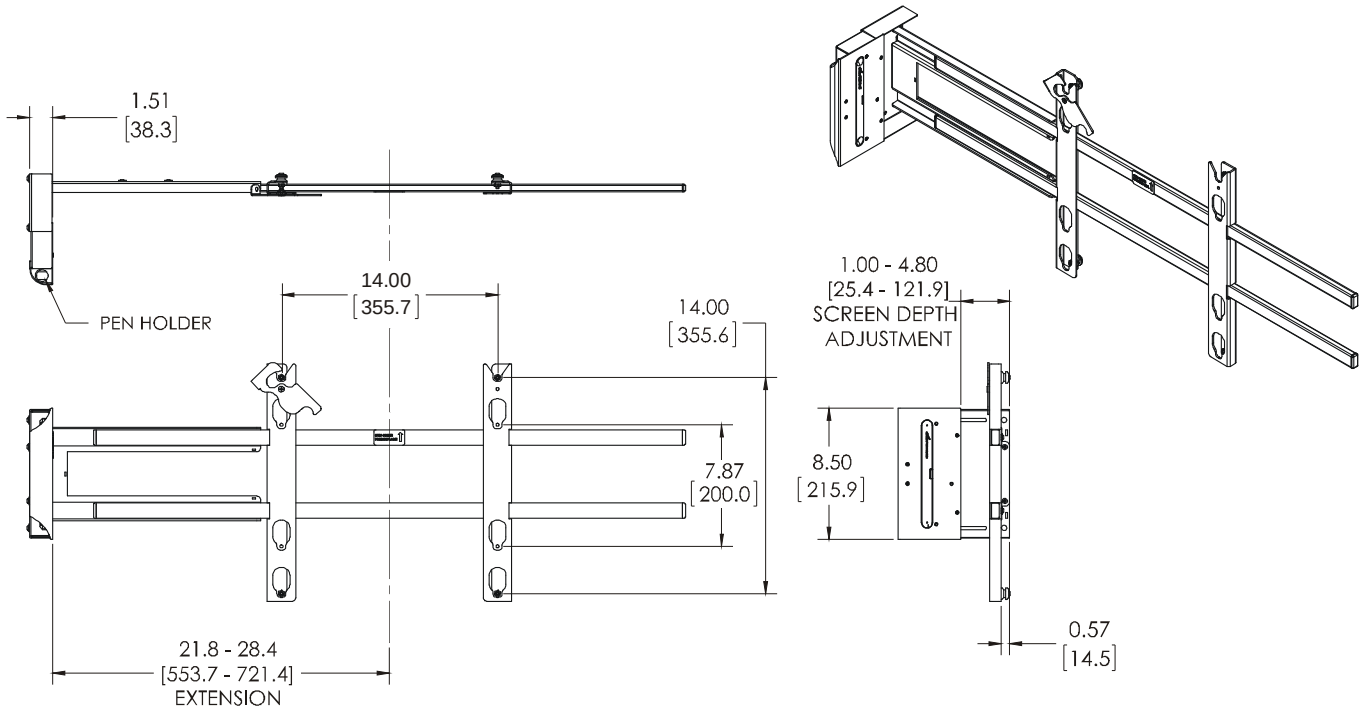
DIMENSIONS

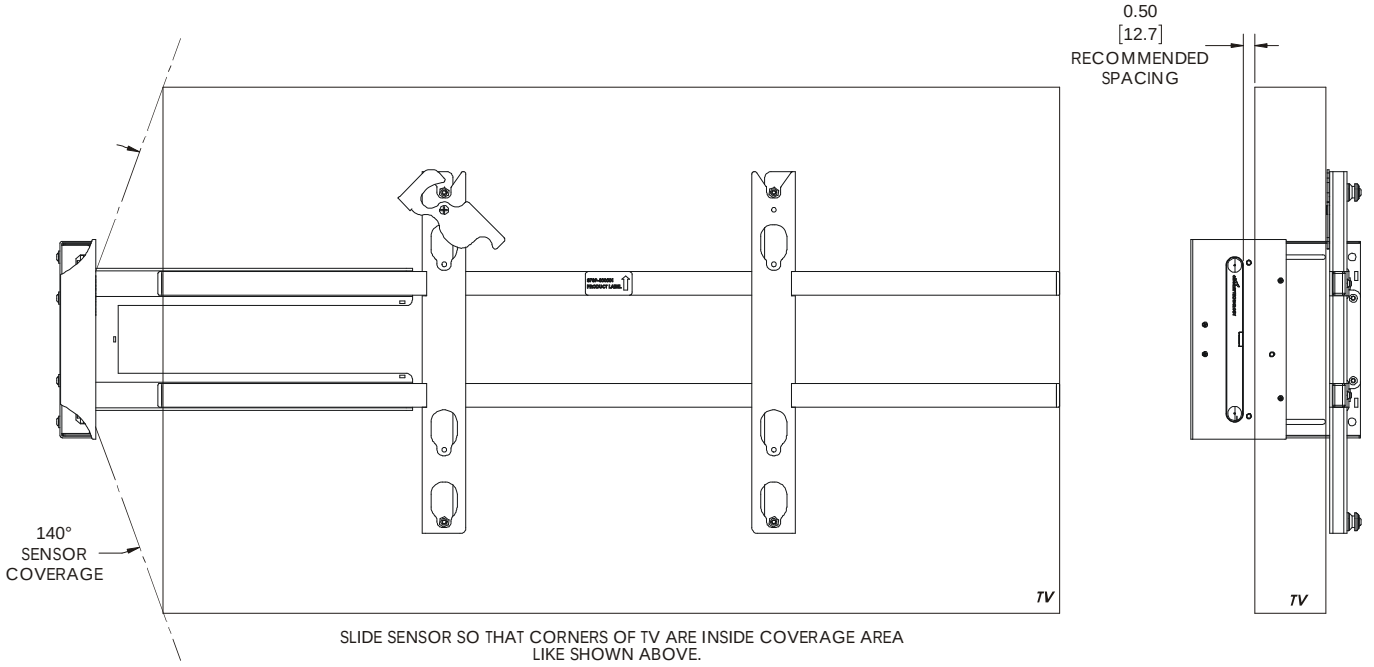
FCI



DIMENSIONS - continued

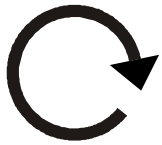
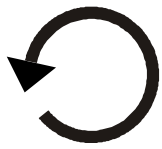
PACI



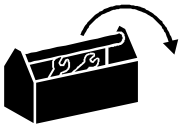


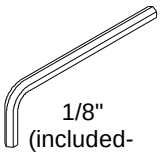
SLIDE SENSOR SO THAT CORNERS OF TV ARE INSIDE COVERAGE AREA
LIKE SHOWN ABOVE.

LEGEND

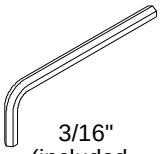
	Tighten Fastener Apretar elemento de fijación Befestigungsteil festziehen Apertar fixador Serrare il fissaggio Bevestiging vastdraaien Serrez les fixations
	Pencil Mark Marcar con lápiz Stiftmarkierung Marcar com lápis Segno a matita Potloodmerkteken Marquage au crayon
	Loosen Fastener Aflojar elemento de fijación Befestigungsteil lösen Desapertar fixador Allentare il fissaggio Bevestiging losdraaien Desserrez les fixations
	Drill Hole Perforar Bohrloch Fazer furo Praticare un foro Gat boren Percez un trou
	Phillips Screwdriver Destornillador Phillips Kreuzschlitzschraubendreher Chave de fendas Phillips Cacciavite a stella Kruiskopschroevendraaier Tournevis à pointe cruciforme
	Adjust Ajustar Einstellen Ajustar Regolare Afstellen Ajuster
	Open-Ended Wrench Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche
	Remove Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	By Hand A mano Von Hand Com a mão A mano Met de hand À la main
	Optional Opcional Optional Opcional Opzionale Optie En option
	Hex-Head Wrench Llave de cabeza hexagonal Sechskantschlüssel Chave de cabeça sextavada Chiave esagonale Zeskantsleutel Clé à tête hexagonale
	Security Wrench Llave de seguridad Sicherheitsschlüssel Chave de segurança Chiave di sicurezza Veiligheidssleutel Clé de sécurité

TOOLS REQUIRED FOR INSTALLATION





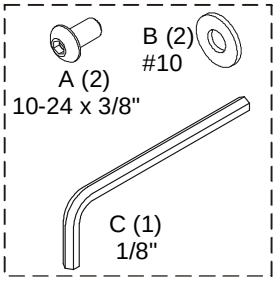
1/8"
(included-
both models)



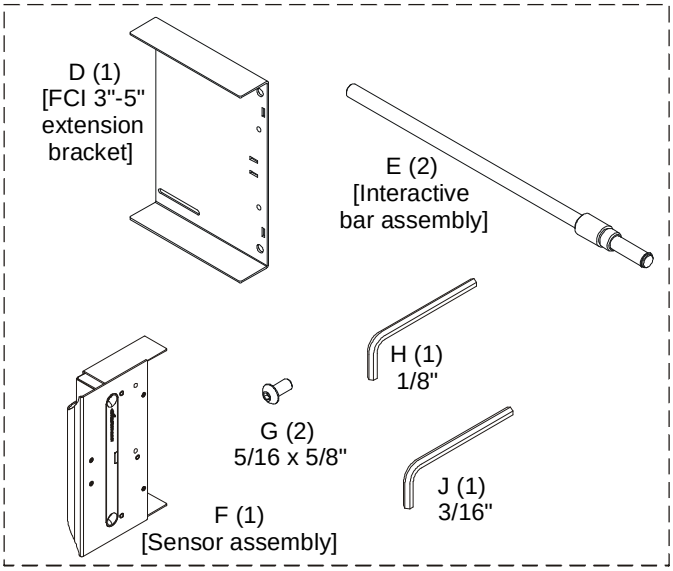
3/16"
(included -
FCI only)

PARTS

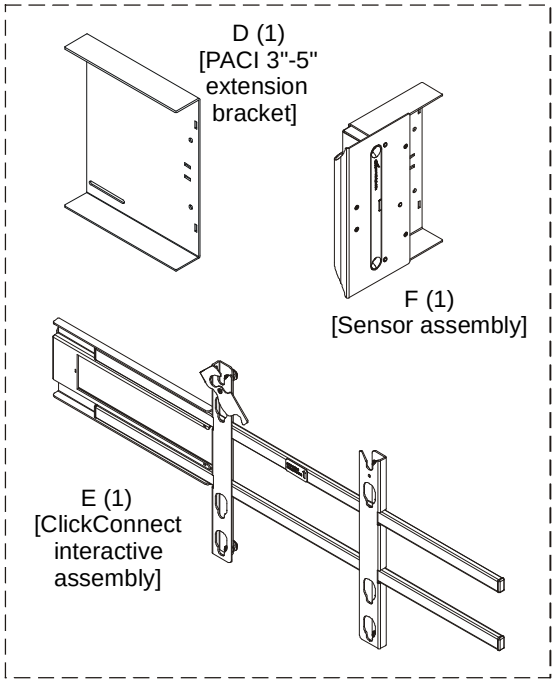
ClickConnect
Interactive Hardware
Kit **(PACI Only)**



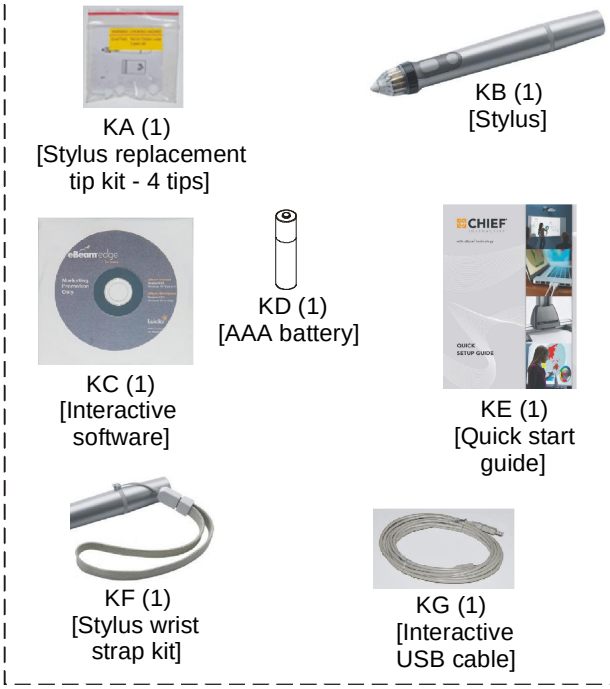
FCI Only



PACI Only



K (1) - Chief Interactive Kit **(Both FCI / PACI models)**



PRE-INSTALLATION INFORMATION

Compatibility

An up-to-date list of the flat panel TV models recommended for use with Chief's FCI and PACI interactive kits can be found at www.chiefmfg.com/Interactive-Mounts. The recommended flat panel models all have the same display requirements:

- Rigid front panel to protect LCD from wear
- 40" to 55" LED-backlit LCD to reduce interference with the sensor due to excessive heat
- Bezel depth of 8mm (0.33") or less for optimal performance in flat panel display corners.

IMPORTANT ! : The following procedure assumes that the appropriate Chief flat panel mount (not included) has been properly installed following instructions provided with the mount.

FCI / PACI INSTALLATION

IMPORTANT ! : Determine depth (thickness) of flat panel TV. If the TV is **MORE** than 3" in depth (76.2mm), proceed to Step 1. If the TV is **LESS** than 3" in depth, proceed to either **Complete FCI Installation** or **Complete PACI Installation** section, as appropriate.

1. Remove and save two button head cap screws and two washers from back of sensor assembly (F). (See Figure 1)

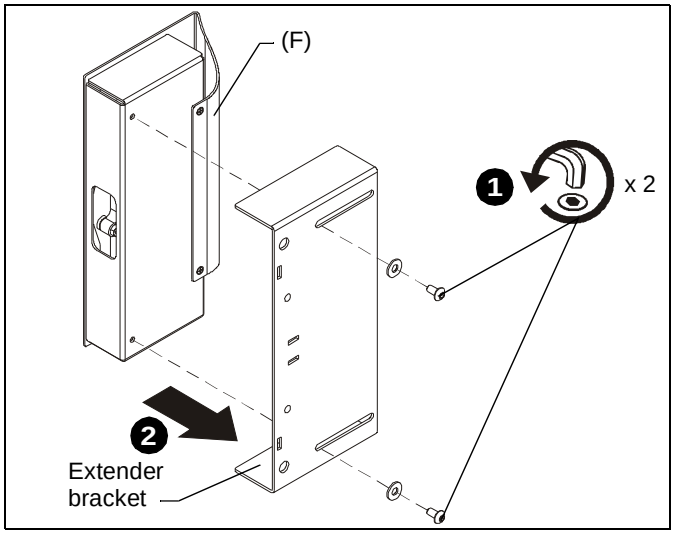


Figure 1

2. Remove extender bracket from back of sensor assembly (F). (See Figure 1)
3. Attach 3"-5" extension bracket (D) to sensor assembly (F) using two button head cap screws and two washers removed in Step 1. (See Figure 2)

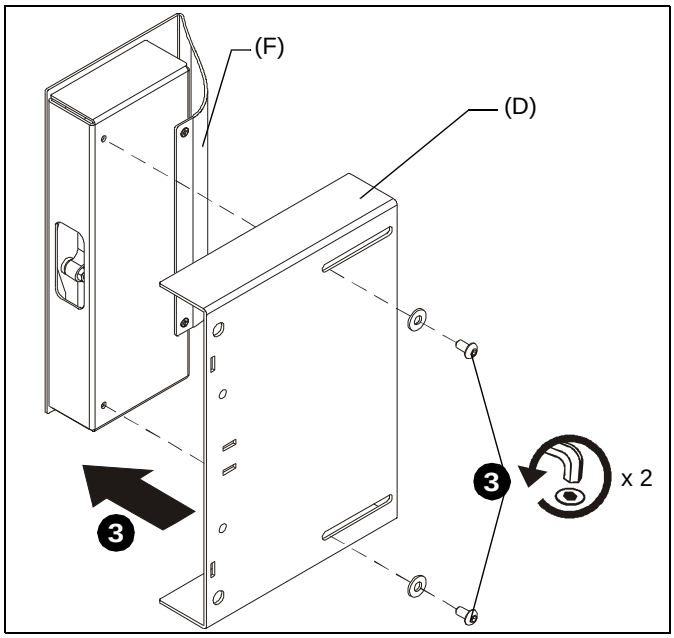


Figure 2

NOTE: Proceed to either **Complete FCI Installation** or **Complete PACI Installation** section, as appropriate.

Complete FCI Installation

1. Remove TV from mount.
2. Remove end caps from flat panel mount. (See Figure 3)

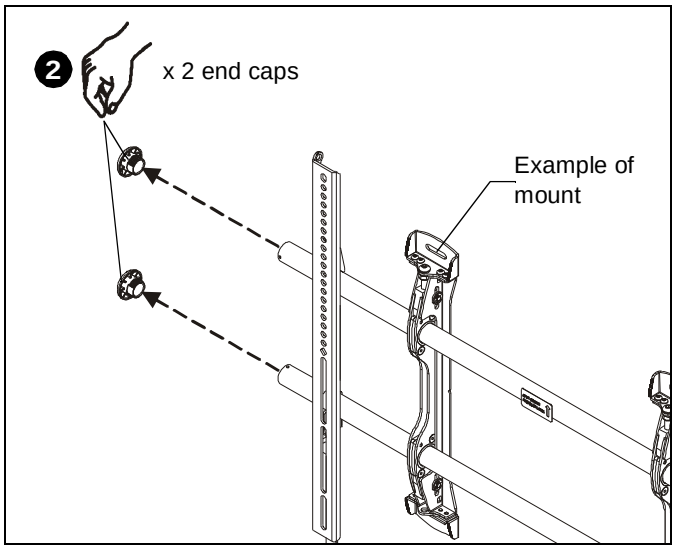


Figure 3

3. Insert interactive bar assembly (E) into flat panel mount, turning bars until tightened into flat panel mount. (See Figure 4)

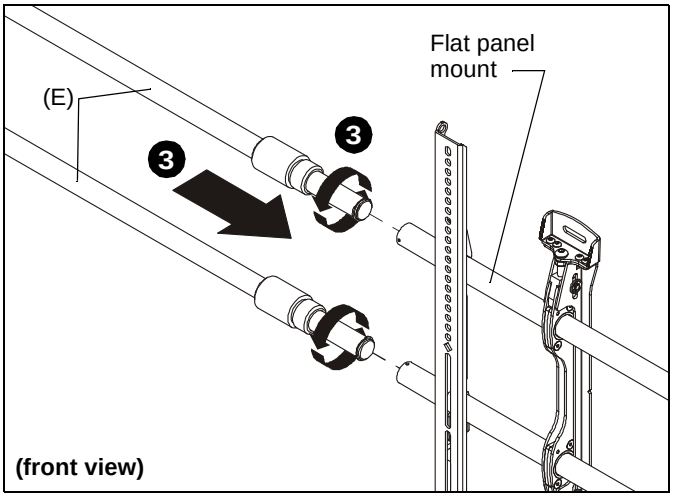


Figure 4

4. Fasten sensor assembly (F) to bars (E) using two 5/16 x 5/8" button head cap screws (G). (See Figure 5)

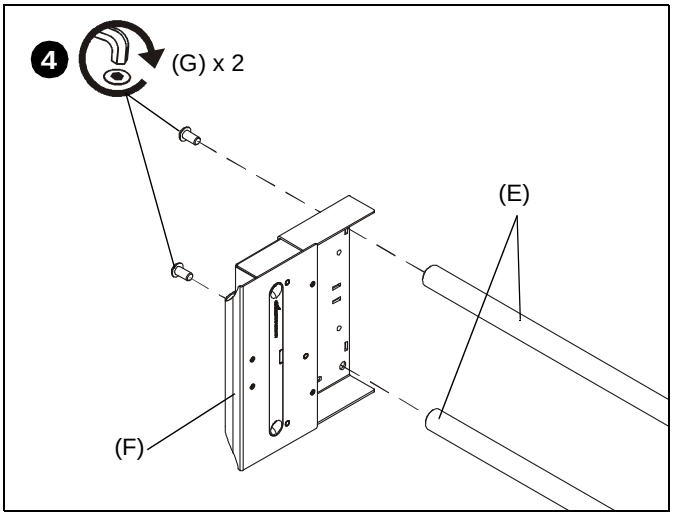


Figure 5

5. Re-attach flat panel TV following instructions contained with mount.

6. Proceed to **Connecting FCI/PACI** section.

Complete PACI Installation

1. Remove TV from mount.

2. Loosen four button head cap screws on back of ClickConnect interactive assembly (E). (See Figure 6)

3. Adjust interactive assembly (E) to proper extension. (See Figure 6)

4. Tighten four button head cap screws on back of ClickConnect assembly (E). (See Figure 6)

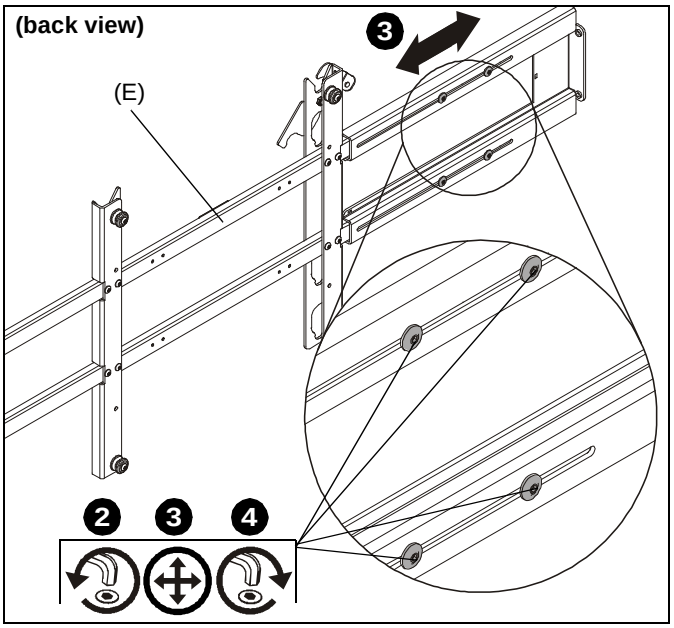


Figure 6

5. Align ClickConnect assembly (E) with the mount, aligning four mounting buttons on assembly with four mounting holes in mount. (See Figure 7)

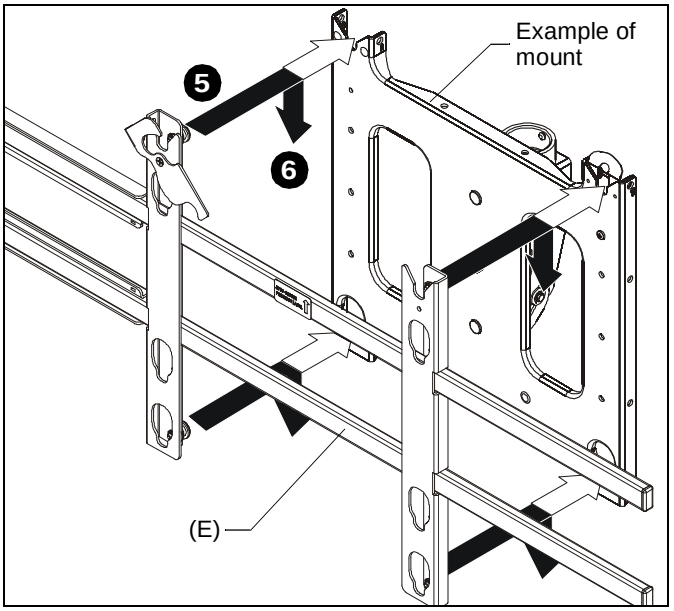


Figure 7

6. Lower ClickConnect assembly (E) into place listening for audible "click" to ensure recessed area of mounting buttons are properly seated in lower area of mounting holes and ClickConnect mechanism has engaged. (See Figure 7) and (See Figure 8)

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Ensure mounting buttons are completely engaged in mounting holes.

Holes are provided in the faceplate for use with a padlock or similar locking device, if desired. In addition, the pin and nut may be removed from the upper holes and moved to the lower holes for use as a more permanent locking device. (See Figure 8)

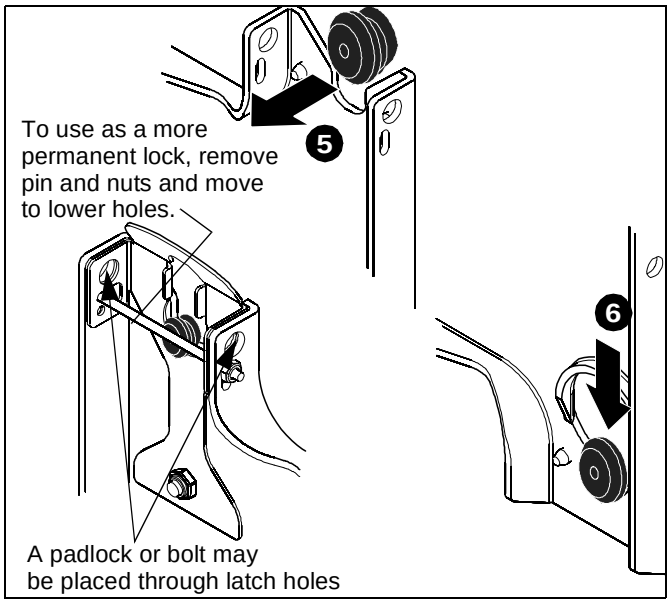

To use as a more permanent lock, remove pin and nuts and move to lower holes.
5
6
A padlock or bolt may be placed through latch holes

Figure 8

7. Fasten sensor assembly (F) to ClickConnect assembly (E) using two 10-24 x 3/8" button head cap screws (A) and two #10 flat washers (B). (See Figure 9)

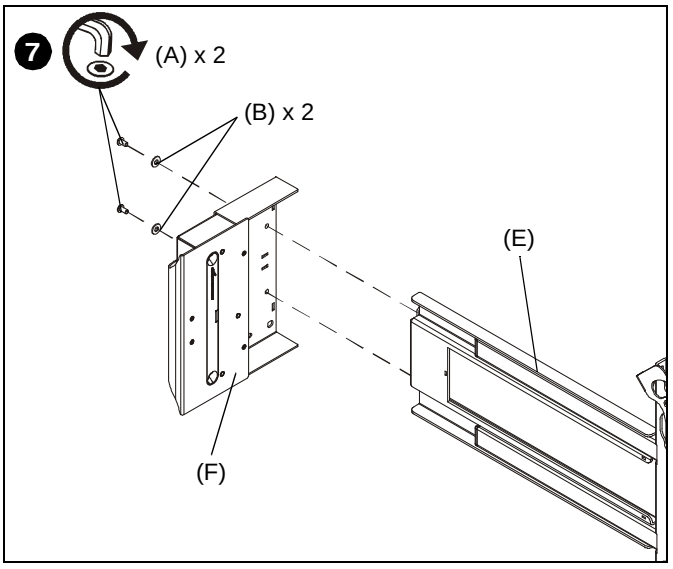


Figure 9

8. Re-attach flat panel TV following instructions contained with mount.
9. Proceed to **Connecting FCI/PACI** section.

CONNECTING FCI/PACI

NOTE: Follow instructions in the Quick Start Guide (KE).

IMPORTANT ! : After adding battery (KD) to the stylus (KB), tighten the cap **only** to the point of being fingertip-tight. Overtightening cap may cause the stylus to stop transmitting signals.

1. Connect flat panel TV to computer.
2. Connect USB cord (KG) from cartridge in sensor assembly (F) to computer USB port.
3. Insert interactive software CD (KC) into computer, and follow start-up and operating instructions.

Minimum System Requirements for FCI/PACI

- Windows® System
  - Compatible PC with Pentium™ II 400 MHz+ processor and 256 MB RAM
  - Windows 2000, XP, Server 2003, Vista, or 7
  - 30 MB available hard drive space
  - Available USB port
- Macintosh® System
  - Power PC®/Intel™ 1.42 GHz+ processor and 1G RAM
  - Mac OS X 10.5 through 10.6
  - 25 MB available hard drive space
  - Available USB port

Connection Requirement

- The FCI/PACI includes a USB cable.

Screen Recording Requirements

(Currently available only on Windows platform.)

- Pentium™ IV processor
- 1.4GHz, with 512MB RAM

Placement Tips

NOTE: See **DIMENSIONS** drawing for TV/sensor assembly placement information.

- The corners of the TV should be positioned within the fan area extending from the sensor assembly. This fan area should not exceed 140°.
- Do not put sticky notes, hanging paper, cables, outlets, or other items inside the capture area.

Sensor Location

NOTE: The FCI and PACI may be mounted to the left or right side of a flat panel screen. The green sensor light needs to always be oriented so that it is closest to screen.

1. Move sensor assembly to the recommended sensor locations noted in Table 1-1, and shown in **Dimensions** drawings and (See Figure 10) and (See Figure 11).

Table 1-1: Recommended Sensor Locations

Measurement	Description	Operational Range	Recommended
Depth (See Figure 10)	Edge of sensor to front of screen	0" - 1"	1/2"
Lateral Extension (See Figure 11)	Face of sensor to edge of screen	>3"	3"

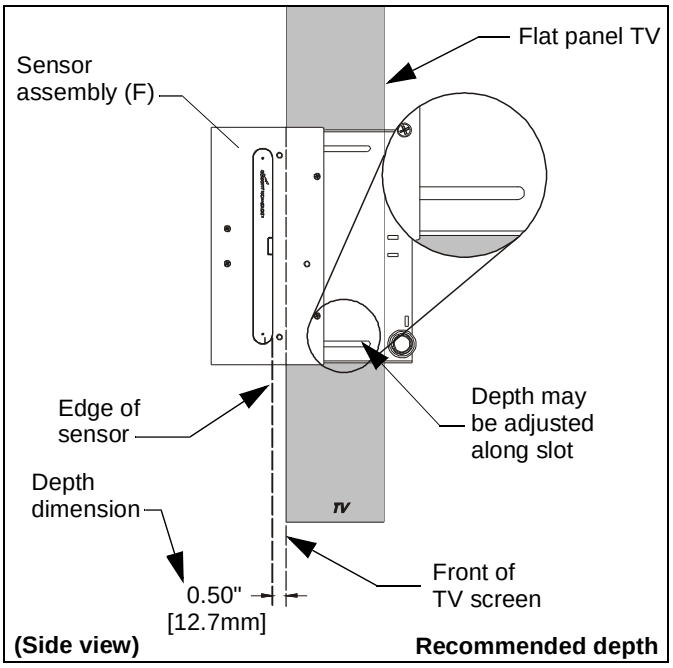


Figure 10

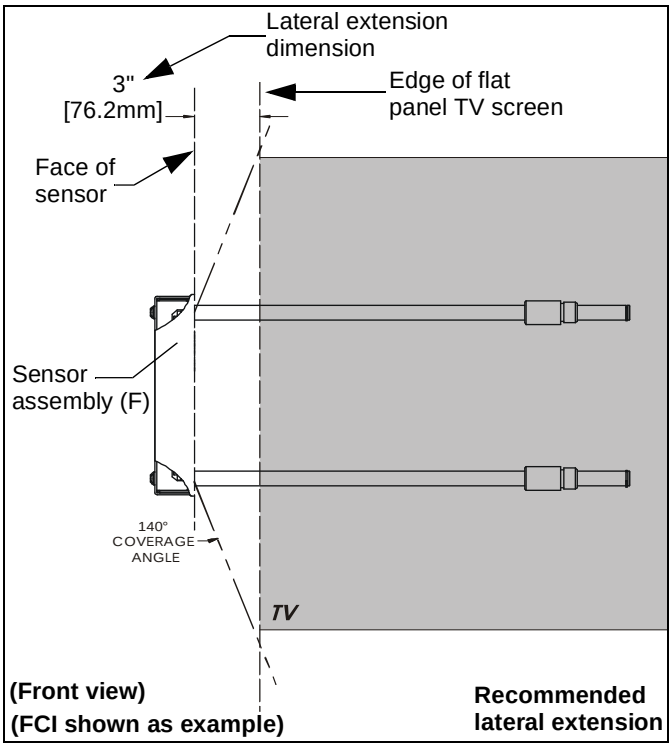


Figure 11

2. The Chief interactive sensor may act differently in different environmental settings. If placing the sensor assembly in the recommended locations does not allow the interactive kit to work properly, proceed to **Troubleshooting** section.

Troubleshooting

1. Fully extend FCI/PACI in both lateral and depth directions so that sensor assembly is as far as possible from the flat panel TV.
2. Recalibrate the eBeam software.
   a. Right click on the eBeam icon on the system tray. (See Figure 12)
   b. Select *Calibrate Interactive Area* and follow calibration instructions. (See Figure 12)

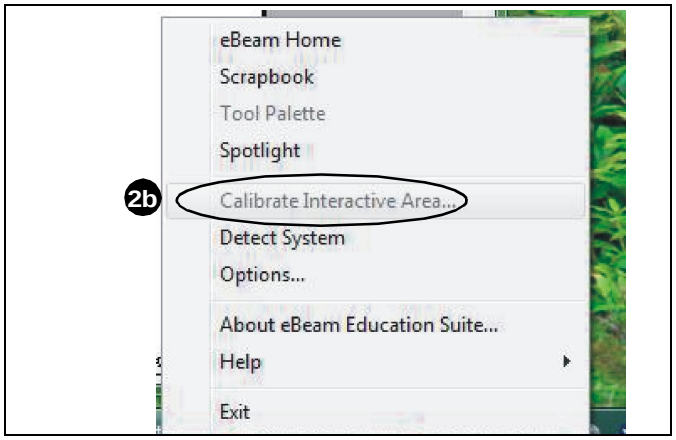


Figure 12

3. Perform the grid test to see if there are any inconsistencies.
   a. Open eBeam software (See Figure 13)

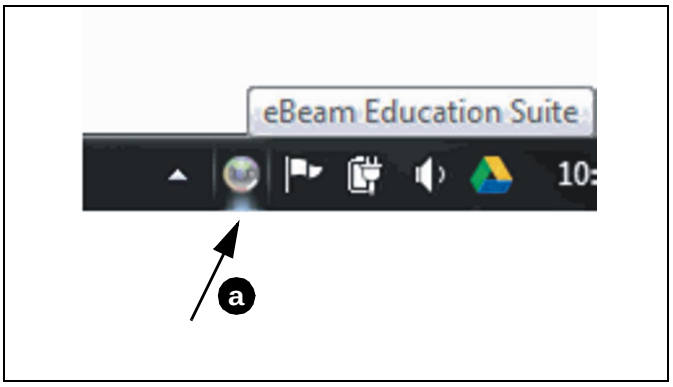


Figure 13

   b. Go to Full Screen view (See Figure 14)

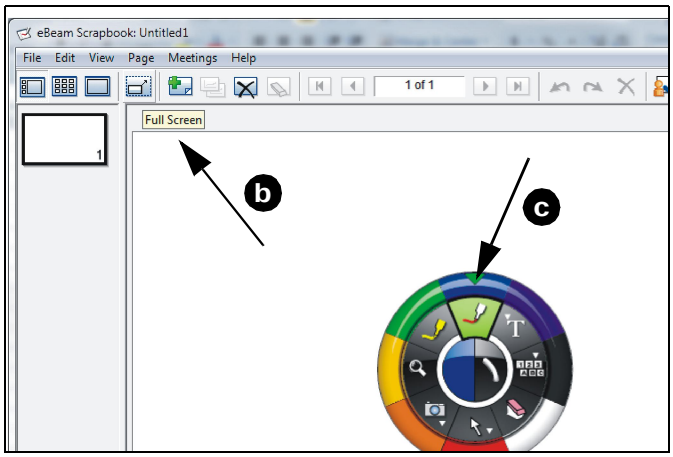


Figure 14

   c. Select Pen Mode (See Figure 14)
   d. Draw a grid on the screen with lines approximately 2" apart.
      - A failed grid test will show distorted annotation lines. (See Figure 15)
      - A passed grid test will show no broken or distorted annotation lines. (See Figure 15)

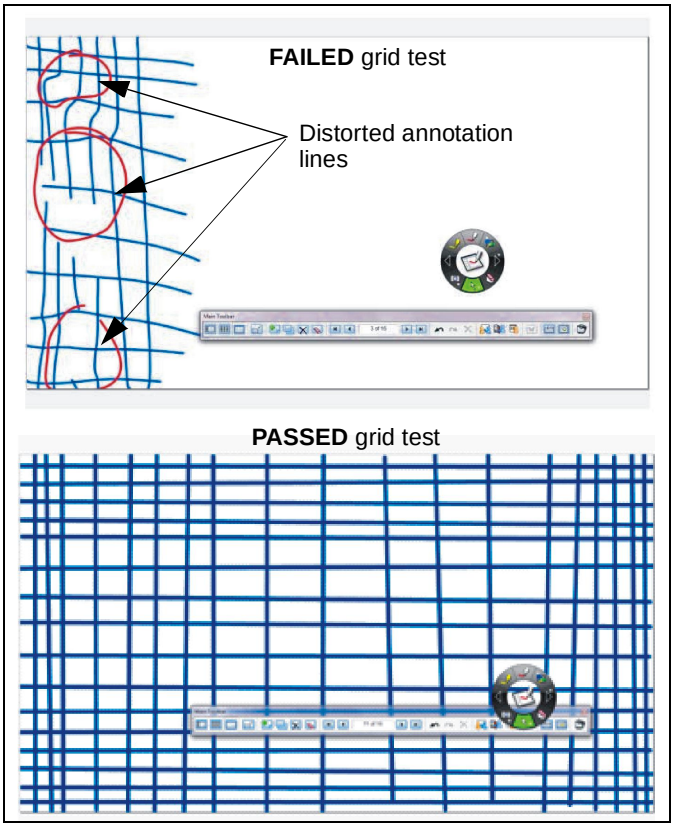
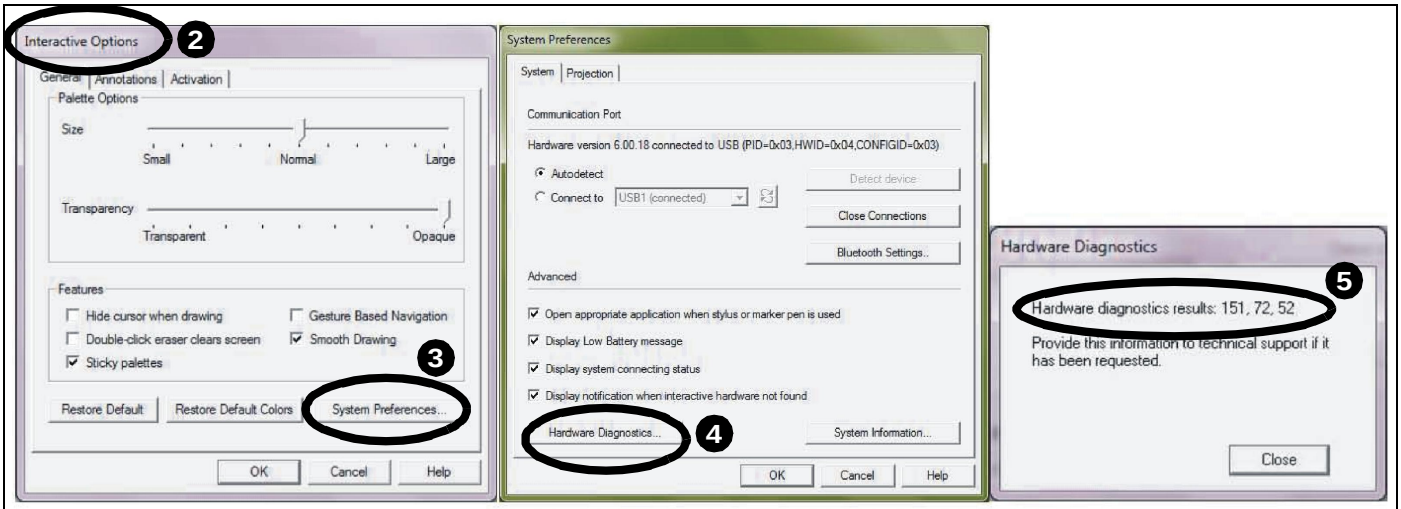


Figure 15

5. If the grid test has failed, gradually move the sensor assembly in 1/2" increments in both the depth and lateral extension ranges until the grid test is passed.
6. If the interactive area is not responding precisely after the grid tests, proceed to **Checking System Diagnostics** section.

Checking System Diagnostics

1. Right click on the E-Beam icon on the system tray to open the software.
2. Select *Interactive Options.* (See Figure 16)
3. Select *System Preferences.*
4. Select *Hardware Diagnostics.*
5. Record the 3 numbers that appear in Hardware Diagnostics (See Figure 16)
6. Compare hardware diagnostics results to table below. (Example: The hardware diagnostics numbers are: **151, 72, 52** and indicate the sensor is near an ultrasonic device that causes interference.) (See Figure 16)
7. If interferences are detected, separate FCI/PACI from ultrasonic or IR interferences and try the set-up again.
8. If questions remain, contact Chief Customer Service.



1st Number Ultrasound Sensor	2nd Number Ultrasound Sensor	3rd Number IR Sensor	Unit	Environment	Resolution
-1	-1	-1	Bad Sensor (if any number is -1)	N/A	Replace interactive receiver
<100	<100	<100	Good	Good	Enjoy interactive!
100+	<100	<100	Good	Ultrasonic (40 Hz) Source Nearby	Identify source of ultrasonic emissions. Remove source, or move interactive sensor.
100+	100+	<100	Bad Sensor	N/A	Replace interactive receiver
<100	<100	100+	Good	IR Source Nearby	Identify source of IR emissions. Remove source, or move interactive sensor.

Figure 16

CHIEF®

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